



# Champion 10,000

## All-in-One 10,000-Watt AC Generator and DC Welder



211801  
June 2008

### PROCESSES



Stick (SMAW)  
Welding

**5/5/1**  
**WARRANTY**



Comes complete with 15 ft Work Cable and Clamp,  
and 20 ft Welding Lead and Electrode Holder!

Combining a 10,000-watt generator with a 230-amp constant-current DC welder, the Champion 10,000 is ideal for farm, general construction, and emergency power applications. This unit is designed for Stick welding with quick and easy arc starts. It also performs general scratch start DC TIG. The Champion 10,000 offers a "no-nonsense" warranty. The engine is warranted separately by the engine manufacturer.

### FEATURES

### BENEFITS

All-in-one 10,000-watt generator and 230-amp welder	You get a generator <i>and</i> welder for about what you would pay for just a generator!
Innovative Hobart technology	Smooth arc starts with minimal "sticking". Extraordinary motor starting characteristics. Strong continuous rating to run compressors, pumps, lights, hand tools and other equipment.
Heavy-duty construction	Provides stamina and long dependable service. Enclosed design, large battery, rugged electrical connections and wiring, and circuit-breaker protection.
Lightweight and compact design	Just over 3 ft long and weighs 10 – 20% less than competitive units.
Choice of OHV engines	Modern engines from Robin or Kohler, with 10-gallon fuel tank and low oil pressure shutdown as standard features. Dependable engines conserve fuel and provide long operation before refueling.
A "no tools" oil change and standard hour meter	Help maintain scheduled routine oil servicing (every 100 hours) and other preventative maintenance.
Quick-set current control	Easy to set up and start welding.
Smooth DC weld output	Primarily designed for the Stick process, the Champion 10,000 also provides a smooth arc for scratch start DC TIG welding.

### SPECIFICATIONS (SUBJECT TO CHANGE WITHOUT NOTICE.)

INDUSTRIAL

**CC**    **DC**

Rated Output	Max. Open-Circuit Voltage	Amperage Range	Auxiliary Power	Dimensions	Net Weight
230 amps at 25 V, 30% duty cycle	210 amps at 25 V, 60% duty cycle	73 VDC	50–230 amps 10,000 watts peak; 120/240 VAC, 60Hz, 9,500 watts continuous while not welding	H: 33 in (838 mm) W: 18-3/4 in (476 mm) D: 37-1/2 in (953 mm)	Kohler: 440 lb (200 kg) Robin: 445 lb (202 kg)

Rated output decreases approximately 3.5% per 1000 ft (305 m) above sea level. The rated output of any engine-driven welder/generator decreases as temperatures rise. The ratings for the Champion 10,000 were taken at high temperatures, only after the machine reached operating temperature. Even in hot weather the Champion 10,000 has the vigor to let you finish the job.

### ENGINE SPECIFICATIONS (SUBJECT TO CHANGE WITHOUT NOTICE.)

Engine Brand	Horsepower (HP)	Type	Weld Speed	Idle Speed	Fuel Capacity	Oil Capacity/Change
Kohler #500 434	23 HP at 3600 RPM (3-year mfg. warranty)	Twin-cylinder, 4-cycle, overhead-valve, industrial, air-cooled, gasoline engine	3750 RPM	2200 RPM	10 gallons	1.75 qt (1.7 L) every 100 hours; 2 qt (1.9 L) w/filter every 200 hours
Subaru/Roger #500 433	22 HP at 3600 RPM (3-year mfg. warranty)	Twin-cylinder, 4-cycle, overhead-valve, industrial, air-cooled, gasoline engine	3750 RPM	2200 RPM	10 gallons	1.6 qt (1.55 L) every 100 hours; 1.8 qt (1.75 L) w/filter every 200 hours



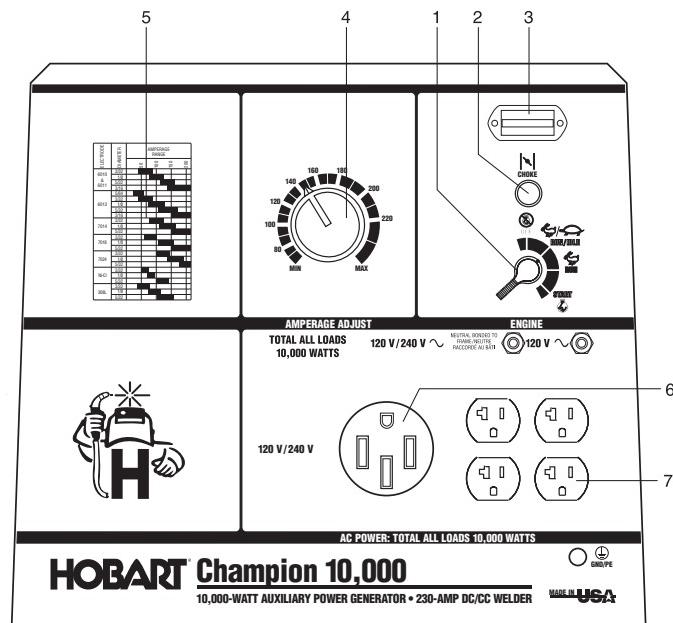
**Hobart Welders** An Illinois Tool Works Company

U.S. Distributor Sales	Phone 920-735-4576	FAX 800-637-2315
Hobart Retail Sales	Phone 800-332-3281	FAX 937-332-4161
Canadian Sales	Phone 888-489-9353	FAX 519-421-0480
International Sales	Phone 920-735-4509	FAX 920-735-4125

Web Site [HobartWelders.com](http://HobartWelders.com)



## CONTROL PANEL



1. Engine Control Switch allows for engine speed selection. In Run/Idle position, engine runs at idle speed at no load, and weld/power speed under load.
2. Engine Choke Control. Use control to change engine air/fuel mix.
3. Engine Hour Meter. Combined with the Fastex "no tools" oil change feature, routine service is easily monitored and performed.
4. Amperage Control. Easy to set up for welding, and the amperage control does not have to be turned up to maximum to gain full auxiliary output.
5. Amperage Selection Chart. Explains weld settings for typical electrode diameter sizes and types.
6. 120/240 Volt Receptacle. This versatile, 50-amp circuit-breaker-protected receptacle can supply up to 10,000 watts of 230-volt power or, up to 10,000 watts of 120-volt power through two separate 120-volt circuits. (Note: Protective covers not shown.)
7. 120 Volt Receptacle. Protected by two 20-amp circuit breakers.

## PERFORMANCE DATA

### Fuel Consumption Data

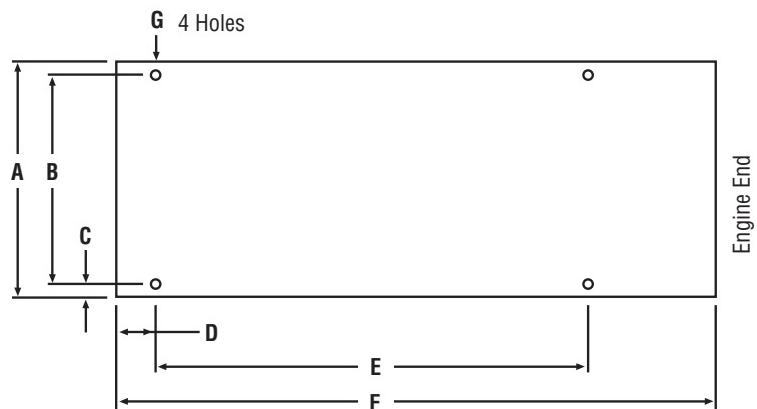
The Champion 10,000 offers modern, fuel efficient engines from Robin or Kohler. With the OHV design, automatic idle and 10 gallon fuel tank, you can expect to put in long hours before having to stop and refuel. For example:

- Welding at 125 amps, 100% duty cycle, uses about 1 gal of fuel every hour.
- While not welding, the engine drops to idle speed using about 1/2 gal of fuel every hour.
- On a typical job using 1/8-in 7018 electrodes (125 amps, 20% duty cycle) you can expect over 16 hours of operation.
- Under a continuous load of 4,000 watts of auxiliary power, the Champion 10,000 would run for about 9 hours.

### Typical Power Requirements for Farm, Home and Contractor Equipment

Equipment	Rating	Starting Watts	Running Watts	Equipment	Rating	Starting Watts	Running Watts
Portable Conveyor	1/2 HP	3400	1000	Band Saw	14 in	2500	1100
Farm-Duty Motors Std., (e.g. Conveyors, Feed Augers, Air Compressors)	1/3 HP 1-1/2 HP	1720 8200	720 2200	Air Compressor	1-1/2 HP	8200	2200
Washer 2 gal/min 2 gal/min	550 PSI 700 PSI	4500 6100	1400 1600	Electric Chain Saw	2 HP, 14 in	1100	1100
Refrigerator or Freezer	1/3 HP	2150	750	Flood Lights	HID Metal Halide Mercury Vapor	125 313 1000 1250	100 250 — 1000
Sump Pump	1/2 HP	3200	1050	Submersible Pump	400 gph	600	200
Hand Drill	1/2 in	600	600	Centrifugal Pump	900 gph	900	500
Circular Saw	8-1/4 in	1400	1400	High Pressure Washer	1 HP	6100	1600
Table Saw	10 in	6300	1800	Wet & Dry Vac	1.7 HP	900	900

## MOUNTING SPECIFICATIONS



- A. 18 in (457 mm)
- B. 16-9/16 in (421 mm)
- C. 3/4 in (19 mm)
- D. 3 in (76 mm)
- E. 31-1/2 in (800 mm)
- F. 37-1/2 in (953 mm)
- G. 13/32 in (10 mm) Diameter

## OPTIONS



**FA-7.5 Flame Arrestor Fuel Cap (Gasoline Red) #042 632** Field Lockable for added protection.

**Spark Arrestor #043 579** Field Mandatory when operating on California grasslands, brush, or forest-covered land, and all National Forests. For other areas, check your state and local laws.

**Full KVA Plug Kit #119 172** Field 240 VAC, 50-amp plug (NEMA 14-50P) to fit full KVA receptacle.

## ACCESSORIES



### CC-1 Series Weather Cover #195 198

Attractive, water-resistant nylon cover resists stains and mildew and protects the finish of your welder.

### No. 2 Stick Cable Set, 50 ft #195 195

Consists of 50 ft (15.2 m) No. 2 electrode cable and holder, and 50 ft (15.2 m) work cable and clamp. 200A, 100% duty cycle.

## Running Gears



### No. 4B Running Gear #041 930

Includes two rear wheels with 480/400 x 8 pneumatic tires, two 8 in (203 mm) solid-rubber-tired front wheels and a 30 in (762 mm) towing handle.

## Trailers



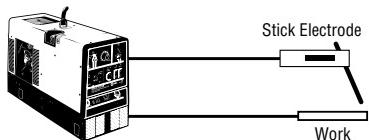
### HWY-1000 Trailer #195 013

A 1000 lb (454 kg) capacity highway trailer with welded steel tubing frame, heavy-duty axle with roller bearing hubs and leaf-spring suspension. The HWY-1000 comes with jack stand, 2 in (50 mm) ball hitch, fenders and lights.

### Cable Tree #195 023

Provides an area to conveniently wrap weld cables and extension cords.

### Lunette Eye 2-1/2 in (64 mm) #043 824



## ORDERING INFORMATION AND SYSTEM CHECKLIST

Equipment and Options	Stock No.	Description	Qty.	Price
<b>Champion 10,000</b>	<b>#500 433 #500 434</b>	With Subaru/Robin engine With Kohler engine		
With Subaru/Robin engine	UPC: #715959235013; Shipping Weight: 465 lb; Carton Dimensions: 40 x 23 x 33 in; Pallet Qty:1			
With Kohler engine	UPC: #715959235020; Shipping Weight: 460 lb; Carton Dimensions: 40 x 23 x 33 in; Pallet Qty:1			
FA-7.5 Flame Arrestor Fuel Cap	<b>#042 632</b>	Field		
Spark Arrestor	<b>#043 579</b>	Field		
Full KVA Plug Kit	<b>#119 172</b>	Field		
<b>Accessories</b>				
CC-1 Series Weather Cover	<b>#195 198</b>			
No. 4B Running Gear	<b>#041 930</b>			
HWY-1000 Trailer	<b>#195 013</b>			
Cable Tree	<b>#195 023</b>			
Lunette Eye	<b>#043 824</b>	2-1/2 in (64 mm)		
<b>Stick Accessories</b>				
No. 2 Stick Cable Set, 50 ft	<b>#195 195</b>	Includes #2, 50 ft (15.2 m) electrode cable and holder, 50 ft (15.2 m) work cable and clamp, 200A, 100% duty cycle		
Stick Electrodes				
<b>TIG Accessories</b>				
TIG Torch				
Torch Consumables				
Tungsten				
Filler Metal				
<b>Miscellaneous</b>				
Helmet				
Gloves				
Electrode Container				
Quick Disconnects				

Date:

Total Quoted Price:

**HOBART**  
WELDERS

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